

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Jalil Kamali *et al.*  
APPLICATION NO.: Cont. of 09/853,048  
FILING DATE: HERewith  
TITLE: SINGLE ENDED LINE PROBING IN DSL SYSTEM  
PARENT EXAMINER: Quoc Duc Tran  
PARENT  
GROUP ART UNIT: 2643  
ATTY. DKT. NO.: 21676-08307

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MAIL STOP PATENT APPLICATION  
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INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the

mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and:

- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
  - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
  - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
  - ☐ Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
    - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
    - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

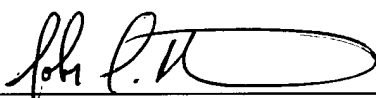
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant request that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☒ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. 09/853,048, filed on May 9, 2001, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,

JALIL KAMALI *et al.*

Dated: October 2, 2003

By:   
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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application No.	Cont. of 09/853,048
				Filing Date	HEREWITH
				First Named Inventor	Jalil Kamali <i>et al.</i>
				Parent Art Unit	2643
				Parent Examiner Name	Quoc Duc Tran
Sheet	1	of	2	Attorney Docket Number	21676-08307 (CT-57C)

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number – Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-4105995	08-08-1978	Bothof <i>et al.</i>
	A2	US-4870675	09-26-1989	Fuller <i>et al.</i>
	A3	US-5083086	01-21-1992	Steiner
	A4	US-5128619	07-07-1992	Bjork <i>et al.</i>
	A5	US-5461318	10-24-1995	Borchert <i>et al.</i>
	A6	US-5864602	01-26-1999	Needle
	A7	US-5881130	03-09-1999	Zhang
	A8	US-6002671	12-14-1999	Kahkoska <i>et al.</i>
	A9	US-6084946	07-04-2000	Beierle
	A10	US-6091713	07-18-2000	Lechleider <i>et al.</i>
	A11	US-6177801 B1	01-23-2001	Chong
	A12	US-6215855 B1	04-10-2001	Schneider
	A13	US-6256377 B1	07-03-2001	Murphree <i>et al.</i>
	A14	US-6266395 B1	07-24-2001	Liu <i>et al.</i>
	A15	US-6385297 B1	05-07-2002	Faulkner <i>et al.</i>
	A16	US-6434221 B1	08-13-2002	Chong
	A17	US-6466649 B1	10-15-2002	Wallance <i>et al.</i>
	A18	US-6487276 B1	11-26-2002	Rosen <i>et al.</i>
	A19	US-6531879 B1	03-11-2003	Nero, Jr.
	A20	US-6538451 B1	03-25-2003	Gallie <i>et al.</i>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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				Parent Art Unit	2643
				Parent Examiner Name	Quoc Duc Tran
Sheet	2	of	2	Attorney Docket Number	21676-08307 (CT-57C)

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> – Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
	B1	EP 0 391 312 A2	10-10-1990	International Business Machines Corporation	
	B2	WO 00/27134	05-11-2000	Teradyne, Inc.	
	B3	EP 1 014 658 A2	06-28-2000	Lucent Technologies Inc.	
	B4	WO 01/01158 A1	01-04-2001	Telcordia Technologies, Inc.	
	B5	EP 1 073 247 A2	01-31-2001	Lucent Technologies, Inc.	
	B6	CA 2,281,208 A1	02-28-2001	Nortel Networks Limited, CA	
	B7	EP 1 081 924 A2	03-07-2001	Nortel Networks Limited	
	B8	WO 01/24492 A1	04-05-2001	Teradyne, Inc.	

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>6</sup>	
	C1	Baker <i>et al.</i> , "Telephone Access Network Measurements," 1998, 81 pages.		
	C2	Boets <i>et al.</i> , "The Modelling Aspect of Transmission Line Networks," Proceedings of the Instrumentation and Measurement Technology Conference, New York, May 12-14, 1992, IEEE, pp. 137-41.		
	C3	Hedlund et al., "DSL Loop Test," Telephony, Chicago, IL, Vol. 235, No. 8, pp. 48-52, August 24, 1998.		
	C4	Ziemann, "ADSL Line Qualification Tests," Application Note 52, Wandel & Goltermann Communications Test Solutions, September 28, 2000, pages 1-5.		

Examiner Signature		Date Considered	
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